



**PATENT**

Case Docket No. HEBIO.001C1

Date: January 15, 2004

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant(s) : Wolde-Mariam, Wondu  
Appl. No. : 10/714,691  
Filed : November 17, 2003  
For : A METHOD FOR  
SIMULTANEOUS  
DETECTION OF MULTIPLE  
MICROBIAL ANTIGENS IN  
BIOLOGICAL SPECIMENS  
FROM MASTITIC ANIMALS  
Examiner : Unknown  
Group Art Unit : Unknown

I hereby certify that this correspondence and all marked attachments are being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on

January 15, 2004

(Date)

Jennifer A. Haynes, Ph.D., Reg. No. 48,868

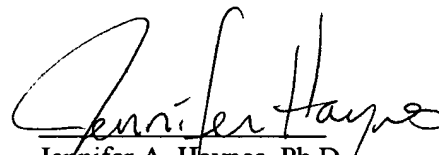
**TRANSMITTAL LETTER**

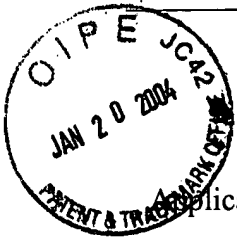
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Enclosed for filing in the above-identified application are:

- (X) An Information Disclosure Statement.
- (X) A PTO Form 1449 with forty-four (44) references which are not enclosed.
- (X) The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment, to Account No. 11-1410.
- (X) Return prepaid postcard.

  
Jennifer A. Haynes, Ph.D.  
Registration No. 48,868  
Agent of Record  
Customer No. 20,995  
(415) 954-4114

**INFORMATION DISCLOSURE STATEMENT**

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Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Enclosed is form PTO-1449 listing 44 references that are of record in U.S. patent application No. 09/976,512, filed October 11, 2001, which is the parent of this Continuation application, and is relied upon for an earlier filing date under 35 U.S.C. § 120. Copies of the references are not submitted pursuant to 37 C.F.R. § 1.98(d).

This Information Disclosure Statement is being filed with an RCE or within three months of the filing date of this application and no fee is required in accordance with 37 C.F.R. § 1.97(b)(1), (b)(2), or (b)(4).

Respectfully submitted,

KNOBBE, MARTENS, OLSON & BEAR, LLP

Dated: Jan. 15, 2004

By: Jennifer Haynes

Jennifer A. Haynes, Ph.D.  
Registration No. 48,868  
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FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.  
HEBIO.001C1APPLICATION NO.  
10/714,691INFORMATION DISCLOSURE STATEMENT  
BY APPLICANT

(USE SEVERAL SHEETS IF NECESSARY)

APPLICANT  
Wolde-Marian, WondaFILING DATE  
November 17, 2003GROUP  
Unknown

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)
	1.	DES404,812	1/26/99	Cipkowski			
	2.	DES420,141	2/1/00	Casterlin			
	3.	DES423,110	4/18/00	Cipkowski			
	4.	DES430,303	8/29/00	Cipkowski			
	5.	4,849,341	7/18/89	Adams et al.			
	6.	5,026,638	6/25/91	Saperstein			
	7.	5,132,210	7/21/92	Adams et al.			
	8.	5,168,044	12/1/92	Joyce et al.			
	9.	5,198,213	3/30/93	Stott et al.			
	10.	5,198,339	3/30/93	Hansen et al.			
	11.	5,225,331	7/6/93	Jennings et al.			
	12.	5,550,030	8/27/96	Tanaka et al.			
	13.	5,591,645	1/7/97	Rosenstein			
	14.	5,798,273	8/25/98	Schuler et al.			
	15.	5,958,714	9/28/99	Gordon et al.			
	16.	5,976,895	11/2/99	Cipkowski			
	17.	5,976,896	11/2/99	Kumar et al.			

## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	18.	GB2314 625A	1/7/98	UK				
	19.	EPO 237 384	2/6/87	EPO				

EXAMINER  
INITIAL

OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

20. Bramley, A.J., "Mastitis: Physiology of Pathology" Flem. Vet. J. 61 (Suppl 1):3-113 (1991)

EXAMINER

DATE CONSIDERED

\*EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

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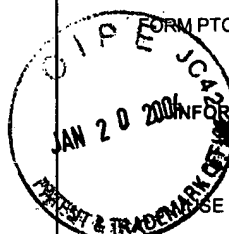
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| 21. | Byrne et al., "Application of an indirect ELISA to milk samples to identify cows with Mycoplasma bovis mastitis", <u>The Veterinary Record</u> 146:368-369 (3/25/2000)   |
| 22. | Chalifour et al., "Use of defined oligosaccharide epitopes in an ELISA for group B streptococcus" <u>Jr. of Immunological Methods</u> 154:69-76 (1992)   |
| 23. | Crist et al., "Mastitis and its Control" <u>University of Kentucky, College of Agriculture Extension Service ASC-140:1-14</u> (1997)   |
| 24. | Donders et al., "Accuracy of rapid antigen detection test for group B streptococci in the indigenous vaginal bacterial flora" <u>Arch Gynecol. Obstet.</u> 264:34-36 *(1999)   |
| 25. | Felten et al., "Analyse Critique des Tests de Depostage rapide de Stphylococcus aureus, pastorex staph plus, slides staph-kit et staph aureus, dans les isolats cliniques" <u>Path. Biol.</u> 43:471-476 (1995)                  |
| 26. | Gilson, Warren, "Interpreting and Using Mastitis Screening Tests" <u>University of Georgia, College of Agriculture &amp; Environmental Sciences, Bulletin</u> 913:1-12 Web site 8/21/02  |
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| 28. | Gutierrez et al., "Monoclonal Antibodies and an Indirect ELISA for Detection of Psychrotrophic Bacteria in Refrigerated Milk" <u>Jr. of Food Protection</u> 60(1)23-27 (1997)  |
| 29. | Heller et al., "Antigen capture ELISA using a monoclonal antibody for the detection of Mycoplasma bovis in milk" <u>Veterinary Microbiology</u> 37:127-133 (1993)  |
| 30. | Hordnes et al., "Evaluation of a Rapid Enzyme Immunoassay for Detection of Genital Colonization of Group B Streptococci in Pregnant Women: Own Experience and Review", <u>Aust. NZ J. Obstet. Gynaecol.</u> 35(3):251-253 (1995) |
| 31. | Hotzel et al., "Enhancement of Mycoplasma bovis detection in milk samples by antigen capture prior to PCR" <u>Molecular and Cellular Probes</u> 13:175-178 (1999)  |
| 32. | Jasper et al., "Relationships Among the Results of Coagulase, Staphylococcal Toxin, and Themonuclease Tests on Staphylococci from Cow Milk" <u>Jr. of Cl. Microbiology</u> 21(4):582-584 (4/1985)                                |
| 33. | Kit "inoculation & interpretation it's easy as 1-2-3". <u>A.J. Buck &amp; Son</u> , a Division of National Logistics Services, LLC   |
| 34. | Kit "InTray Colorex Screen Test" <u>BIOMED Diagnostics</u> , 1430 Koll Circle, Ste 1010, San Jose, CA (Document No. 10.082)  |
| 35. | Kit "Staphylococcus Latex Kit" Product Codes: BA001, BA001.1, <u>The Binding Side Limited</u> , P.O. Box 4073, Birmingham, B29 6AT, UK   |
| 36. | Lipkin et al., "Abstract Direct PCT Detection of Mastitis causing Pathogens in Milk" <u>Research Dev. Co. of the Hebrew University of Jerusalem</u> , A-0645   |
| 37. | Neyret et al., "Evaluation of a Commercial Test Kit for Rapid Detection of Staphylococcus aureus in Blood Cultures" <u>Eur. J. Clin. Microbiol. Infect. Dis.</u> 16:165-166 (1997)   |
| 38. | Orden et al., "Detection of enterotoxins and TSST-1 secreted by Staphylococcus aureus isolated from ruminant mastitis. Comparison of ELISA and Immunoblot" <u>Journal of Applied Bacteriology</u> 72:486-489 (1992)              |
| 39. | Rosocha et al., "Monoclonal Antibodies Against the Common Polysaccharide of Streptococcus agalactiae" <u>Folia Microbiol.</u> 41(5):436-440 (1996)   |
| 40. | Sachse et al., "Comparison of various diagnostic methods for the detection of Mycoplasma bovis" <u>Rev. Sci. Tech. Off. Int. Epiz.</u> 12(2):581-580 (1993)  |
| 41. | van Griethuysen et al., "International Multicenter Evaluation of Latex Agglutination Tests for Identification of Staphylococcus aureus" <u>Jr. of Clinical Microbiology</u> 39 (1):86-89 (2001)                                  |

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 FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (USE SEVERAL SHEETS IF NECESSARY)	ATTY. DOCKET NO. HEBIO.001C1	APPLICATION NO. 10/714,691
	APPLICANT Wolde-Marian, Wonda	
	FILING DATE November 17, 2003	GROUP Unknown

EXAMINER INITIAL	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)
	42. Wichelhaus et al., "Rapid Detection of Epidemic Strains of Methicilin-Resistant Staphylococcus aureus" <u>Jr. of Clinical Microbiology</u> 37:690-693 (1999)
	43. Yazdankhah et al., "Development and evaluation of an immunomagnetic separation-ELISA for the detection of Staphylococcus aureus thermostable nuclease in composite milk" <u>Veterinary Microbiology</u> 67:113-125 (1999)
	44. Zorah et al., "Detection of bacterial antigens in milk samples from clinical cases of bovines mastitis in which culture is negative" <u>The Veterinary Record</u> 208-210 (2/237/93)

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